

The table below lists the RS-232 serial commands the Vacuum Group would like implemented in the BAF controls. These commands will be used to initialize the controllers when needed and to determine the status of the BAF vacuum system. The TPG 300 gauge controllers are manufactured by Balzers.

**Table 1. Commands for BAF gauge controller serial communication.**

| <b>Command</b> | <b>Description</b>   | <b>Function</b>               | <b>Update/Use</b>   |
|----------------|----------------------|-------------------------------|---------------------|
| P              | Pressure reading     | Read pressure string          | 1/second            |
| SPS            | Set point status     | Read set point status         | 1/minute            |
| SEN            | Sensor enable        | Turn gauge on/off             | Often used          |
| SP             | Set point            | Set thresholds for set points | Seldom used         |
| UNI            | Unit of measurement  | Set displayed units           | Initialization only |
| BAU            | Baud Rate            | Set baud rate                 | Initialization only |
| FIL            | Filter time constant | Set filter time constant      | Initialization only |
| PUC            | Under-range control  | Set behavior of set points    | Initialization only |
|                |                      |                               |                     |
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